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## **ABSTRACT**

Lysostaphin is demonstrated to be a powerful anti-staphylococcal agent suitable for parenteral administration to 5 mammals including humans. Low dosages, on the order of 0.5 - 45 mg/kg/day are sufficient to eradicate most staphylococcal infections. Lysostaphin is also effective against bacteria of this type which have developed resistance to conventional antibiotics such as penicillins and vancomycin. Lysostaphin 10 analogues, such as variants and related enzymes, show similar activity.

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